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INFECTION CONTROL RISK ASSESSMENT

Date:	11/19/2015
Project No.:	502-14-118
Project Title:	SPD Cart Wash
Location of Construction:	Basement Bldg. 7
Contractor:	TBD
Project Coordinator:	James Monroe
Project Start Date:	TBD
Days	180
ICRA Needed:	TBD

Ouida Gibson RN
Infection Control Nurse

Date: ______________

James Monroe
General Engineer/COR

Date: James Monroe (Digitally signed by James Monroe DN: cn=James Monroe, o=VA Medical Center Alexandria, La, ou, email=James.Monroe2@va.gov, c=US Date: 2015.11.20 08:17:16 -06'00')

Step 1:
Using the following table, identify the **type** of construction activity (Type A–D).

TYPE A	**Inspection and noninvasive activities:** Including, but not limited to: Removal of ceiling tiles for visual inspection, limited to one tile per 50 square feet; painting (but not sanding); wall covering; electrical trim work; minor plumbing; activities that do not generate dust or require cutting of walls or ceiling access, except for visual inspection.	
TYPE B	**Small-scale activities of short duration that create minimal dust:** Including, but not limited to: Installation of telephone and computer cable; access to chase spaces; and cutting of walls or ceilings where dust spread can be controlled.	
TYPE C	**Work that produces a moderate to high amount of dust or requires demolition or removal of any fixed building components or assemblies:** Including, but not limited to: Sanding of walls for painting or wall covering; removal of floor covering, ceiling tiles or casework; construction of new walls; minor duct work or electrical work above the ceiling; major cabling work; or any activity that cannot be completed within a single work shift.	
TYPE D	**Major demolition and construction projects:** Including, but not limited to: Activities that require consecutive work shifts; heavy demolition or removal of a complete cabling system; new construction.	X

Step 2:
Using the following table, identify the **patient risk** groups that will be affected. If more than one risk group will be affected, select the highest risk group.

Low Risk ()	Medium Risk ()	High Risk ( )	Highest Risk (X)
Office areas Lobbies / Corridors Mechanical Rooms Outside Grounds	Cardiology Echocardiography Endoscopy Physical Therapy Imaging/MRI Respiratory Therapy Outpatient Exam Rooms Patient Rooms – Patient will be removed from the room.	Evaluation & Treatment Unit Laboratory (specimen) Outpatient Surgery Pharmacy Recovery Surgical units	Any area caring for immunocompromised patients Central Sterile Supply ICU Medical Unit Negative Pressure Isolation Rooms Oncology Operating Rooms

Step 3: Match the

Patient Risk Group (low, medium, high, or highest), with the planned…
Construction Project Type (A, B, C, D) on the following matrix, to find the…
Class of Precautions (I, II, III, IV) or the level of infection-control activities needed.

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Class I–IV Coded precautions are delineated below:

IC Matrix = Class of Precautions: Construction Project by Patient Risk

	Construction Project Type			
Patient Risk Group	**Type A**	**Type B**	**Type C**	**Type D**
LOW-Risk Group		II	II	IV
MEDIUM-Risk Group	I	II	III	
HIGH-Risk Group	I	II	III	IV
HIGHEST-Risk Group	II	III	III	IV

- **Note: Infection Control approval is required when the Construction Activity and Risk Level indicate that Class III or Class IV control procedures are necessary.**

Description of Required Infection Control

Precautions by Class

	During Construction Project	Upon Project Completion
CLASS I	1. Execute work by methods that minimize creating dust from construction work 2. Safety barriers to be constructed and maintained. 3. Monitor and re-route traffic, including foot traffic 4. Contain construction waste before transport In appropriate containers. 5. Remove construction waste routinely to prevent overfilled bins	1. Do not remove barriers from the work area until completed project is inspected by the owner's Safety department and Infection Control department and thoroughly cleaned by the owner's Environmental Services department or Construction Crew, Grounds, ETC.
CLASS II	1. Provide active means to prevent airborne dust from dispersing from the area 2. Water-mist work surfaces to control dust while cutting 3. Seal unused doors with duct tape 4. Block off and seal air vents 5. Place dust mats at the entrance and exit door(s) of work areas 6. Remove or isolate HVAC system in areas where work is being performed	1. Wipe work surfaces with disinfectant 2. Contain construction waste before transport in tightly covered containers 3. Wet-mop and/or vacuum with HEPA-filtered vacuum before leaving the area 4. Remove isolation of HVAC system in areas where work was performed
CLASS III	6. Remove or isolate HVAC system in area where work is being done to Prevent contamination of the duct system. 7. Complete all critical barriers—sheetrock, Plywood, plastic—to seal the area from non–work areas or implement control-cube method* before construction begins. 8. Maintain negative air pressure within the work site, utilizing HEPA-equipped air Filtration units. 9. Contain construction waste before transport in tightly covered containers. 5. Cover transport containers or carts. Tape covering unless the lid is solid.	2. Do not remove barriers from work area until completed project is inspected by the Infection Control and Safety departments, and is thoroughly cleaned by Construction Crew, Grounds, ETC. 3. Remove barrier materials carefully to minimize risk of spreading dust and debris associated with construction 4. Vacuum work area with HEPA-filtered vacuums 5. Wet-mop area with disinfectant. 6. Remove isolation of HVAC system in area(s) where work was performed

VHA DIRECTIVE 2011-036 States, that a pre-construction "Risk Assessment" to identify if the construction area is high risk for transmission of TB to the contractors. If the construction worker(s) have been determined to be at risk for transmission of TB to them based upon the TB preconstruction risk assessment, then the contractor must provide written certification that all contract employees assigned to the work site have had a pre-placement tuberculin screening within 90 days prior to assignment to the worksite and been found to be with negative screening reactions.

Is this construction area a high risk zone for transmission of TB to the contractors?
YES___ NO_xxx

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CLASS IV X	1. Isolate the HVAC system in an area where work is being done to prevent contamination of duct system. 2. Complete all critical barriers—sheetrock, plywood, plastic—to seal area from non–work area or implement control-cube method* before construction begins. 3. Maintain negative air pressure within work site, utilizing HEPA-equipped air filtration units. 4. Seal holes, pipes, conduits, and punctures appropriately. 5. Construct anteroom and require all personnel to pass through it so that they can be vacuumed using a HEPA vacuum cleaner before leaving work site; or they can wear cloth or paper coveralls, removing them each time they leave the work site. 6. All personnel entering work site are required to wear shoe covers. Shoe covers must be changed each time the worker exits the work area. 7. Do not remove barriers from the work area until completed project is inspected by the owner's Safety department and Infection Control department and thoroughly cleaned by the owner's Environmental Services department.	1. Remove barrier material carefully to minimize spreading of dirt and debris associated with construction. 2. Contain construction waste before transporting in tightly covered containers. 3. Cover transport receptacles or carts. Tape covering unless solid lid. 4. Vacuum work area with HEPA-filtered vacuums. 5. Wet-mop area with disinfectant. 6. Remove isolation of HVAC system in areas where work was performed.

*The control-cube method consists of the following: A cart with a plastic covering and sealed connection to the work site with a HEPA vacuum for vacuuming prior to exit.

Step 4. Identify the areas surrounding the project area, assessing potential impact:

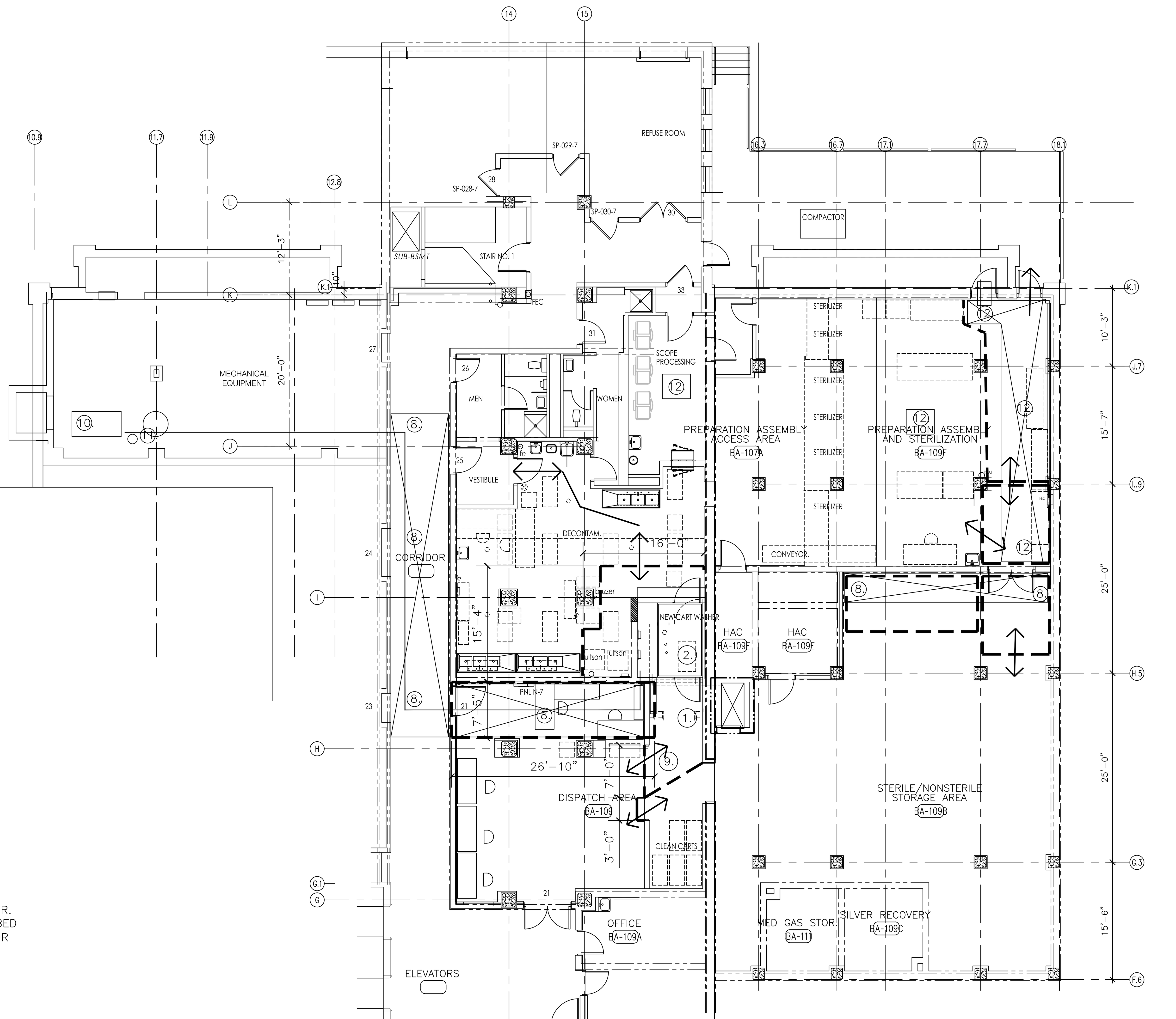
Unit below	Unit above	Lateral	Lateral	Behind	Front
Low	Low	Medium Staff Offices	High Sterile Supplies	High Decon	High Clean /Sterile Supplies
Risk Group	Risk Group	Risk Group	Risk Group	Risk Group	Risk Group

Step 5	Identify specific site of activity:	Basement od BLDG. 7 – SPS Cart Wash Area – Anti-room
Step 6	Identify issues related to ventilation, plumbing and electrical (in the event of probable outages).	No issue, redundant systems. Possible ventilation, plumbing and electrical issues.
Step 7	Identify containment measures: All Med Gas to be removed and sealed. Linen removed from cabinets etc.	N/A – Dust containment measures to prevent dust from entering the area.
	What type of barriers needed: Temporary	Construction Wall (Floor to ceiling)
	Is HEPA filtration required?	Yes
Step 8	Consider potential risk of water damage.	Water damage to be considered.
Step 9	Work Hours: Can or will the work be done outside of patient care hours?	Regular Business Hours
Design Considerations	Do plans allow for an adequate number of isolation/negative airflow rooms?	Yes
	Do plans allow for the required number and type of hand washing sinks or dispensers?	Yes
	Plans relative to clean and soiled utility rooms?	N/A
Containment Issues	Traffic Flow	Loading Dock Bldg 7, Pedestrian Traffic back entrance Bldg 7 from Lot M
	Housekeeping, pick-up an clean-up daily	Yes
	Debris Removal	Dumpster required, covered carts for removal.

Step 1-3 Adapted from V. Kennedy & B. Barnard, St. Luke Episcopal Hospital, Houston, TX. C. Fine. CA.
Step 4-14 Adapted from Fairview University Medical Center, Minneapolis, MN, by ECSI Inc., 2001.
Forms modified and provided courtesy of J. Barley, ECSI Inc., 2002.

FLOOR PLAN NOTES

1. EXIST. FIRE SHUTTER, DISCONTINUED. REMOVE SHUTTER AND FRAME, WALL CONSTRUCTION AND PATCH FLOOR AND SIDE WALLS TO PROVIDE FULL WIDTH FOR CART MOVEMENT.
2. NEW CART WASH VENDOR TO REMOVE EXISTING CART WASH UNIT AND CONNECTIONS COMPLETE IN ORDER TO INSTALL NEW CART WASH UNIT IN A SEPARATE OWNER/VENDOR CONTRACT TO INCLUDE REMOVAL OF EXISTING AND INSTALL OF NEW. ALL OTHER WORK IN THIS CONTRACT BY GENERAL CONTRACTOR, INCLUDING SELECTIVE DEMOLITION, PIT MODIFICATION, FLOOR CONSTRUCTION, WALL CONSTRUCTION, PLUMBING AND FIRE PROTECTION MODIFICATIONS, HVAC, IF ANY, AND ELECTRICAL PROVISIONS, COORDINATION AND SCHEDULING, ENVIRONMENTAL CONTROLS, INFECTION CONTROL MEASURES, AND FINAL FINISHING OF ALL MODIFICATIONS.
3. GENERAL CONTRACTOR SHALL MODIFY EXISTING CONCRETE CARTWASH PIT IN ORDER TO FIT NEW EQUIPMENT. REFER TO STRUCTURAL DETAILS PROVIDED AND MANUFACTURER DATA AVAILABLE.
4. EXISTING CEILING ELEMENTS IN DECONTAM ROOM LOCATED APPROXIMATELY. VERIFY TYPE AND LOCATION.
5. CONSTRUCT NEW CMU EXTENSION TO EXISTING WALL, FINISH AND PAINT TO MATCH ADJACENT FINISHES, INCLUDING DRYWALL OVERLAY, IF ANY. REPAIR ADJACENT SURFACES TO BLEND NEW WORK TO EXISTING.
6. EXISTING ULTRASONIC CLEANING EQUIPMENT (ultson). RELOCATE UNITS FROM POSITIONS AT TAG '6' TO NEW POSITION AT TAG '6.1' SEE MECHANICAL, PLUMBING AND ELECTRICAL FOR EQUIPMENT CONNECTIONS.
7. REMOVE EXISTING CEILINGS, BOTH DRYWALL AND SUSPENDED, IN AREA ADJACENT TO NEW CART WASHER TO PROVIDE ACCESSIBILITY FOR INSTALLATION OF CART WASHER WALL PANELS. PERMANENT CHANGE OF CEILING HEIGHT IN HARD CEILING ADJACENT TO DOOR WALL REQUIRED TO ACCOMMODATE SERVICING OF DOORS.
8. TEMPORARILY REMOVE EXIST. SUSP. CEILING IN THIS AREA TO ACCOMMODATE INSTALLATION AS REQUIRED FOR NEW COMPRESSED AIR LINE. SEE MECH. REINSTALL CEILING. REPAIR ANY DAMAGE FROM THE PROCESS. ALL REPAIRS SHALL MATCH EXISTING ADJACENT FINISHES.
9. EXISTING GLASS SLIDING ENTRANCE ASSEMBLY. TEMPORARILY DISMOUNT DOORS AND SIDE PANELS AS NECESSARY TO ACCESS CARTWASHER PIT FOR REMOVAL OF EXISTING EQUIPMENT AND INSTALLATION OF NEW. ICRA CURTAINS AND BARRIERS INSTALL HERE FOR ACCESS CONTROL AND INFECTION/ CONTAMINATION CONTROL.
10. LOCATION FOR OWNER PROVIDED AIR COMPRESSOR. NEW 4" CONCRETE PAD AND AIR LINES DESCRIBED IN MECHANICAL/ PLUMBING. SEE ELECTRICAL FOR POWER REQUIREMENTS.
11. EXISTING LARGE CAPACITY DOMESTIC WATER HEATER AND EXPANSION TANK. PROTECT FROM DAMAGE DURING COMPRESSOR AND PAD INSTALLATION.
12. OPEN EXIST. CLG. IN THIS AREA FOR HVAC/PLBG WORK DESCRIBED IN MECHANICAL. RECONSTRUCT DRYWALL CEILING AND PAINT TO MATCH SURROUNDING WITH SAME TYPE PAINT. PROVIDE ACCESS PANEL WHERE REQUIRED FOR MAINTENANCE OF MECHANICAL ITEMS ABOVE CEILING.
13. CONTRACTOR SHALL VERIFY ALL EXISTING CRITICAL DIMENSIONS AND CONDITIONS AND REPORT DISCREPANCIES THAT MAY AFFECT PROGRESS OF WORK.
14. THIS WORK AREA HAS BEEN DESIGNATED AS CLASS IV RISK LEVEL FOR INFECTION CONTROL. SEE SPECIFICATION SECTION: INFECTION CONTROL RISK ASSESSMENT (ICRA)



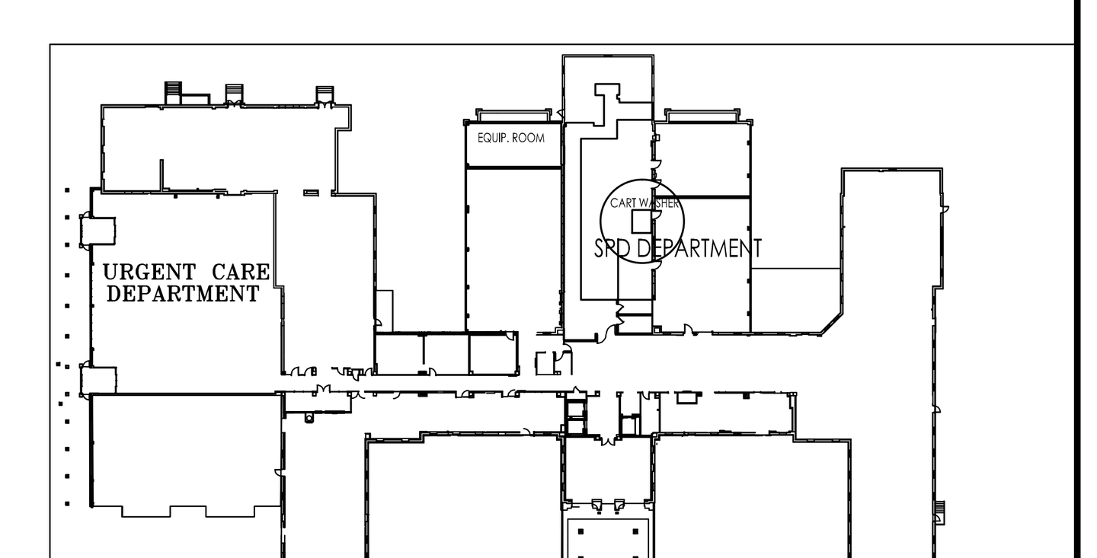
1 ICRA SUPPLEMENTAL FLOOR PLAN
SCALE: 1/8" = 1'-0"

NOTE: THIS FLOOR PLAN CONTAINS INFORMATION TO COMPLY WITH INFECTION CONTROL MEASURES. BARRIER LAYOUTS AS SHOWN ARE THE MINIMUM NECESSARY. CONDITIONS MAY ARISE DURING THE PROJECT THAT REQUIRE ADDITIONAL BARRIERS IN ORDER TO COMPLY WITH ICRA. ALL OTHER CONSTRUCTION INFORMATION IS IN THE PROJECT DOCUMENTS. THIS DRAWING SHALL NOT BE RELIED UPON FOR ANY OTHER CONDITIONS THAN FOR ICRA REQUIREMENTS.

ALL WORK INDICATED HERE SHALL BE CLOSELY COORDINATED WITH VA ENGINEERING, INFECTION CONTROL DEPT., MAINTENANCE, AND SPD DEPT. STAFF.

TYPICAL INDICATOR OF ENTRY/EXIT PATHS FOR WORK UNDER ICRA REQUIREMENTS. OWNER AND CONTRACTOR COORDINATE LOCATIONS.

TYPICAL INDICATOR OF INFECTION CONTROL ICRA BARRIERS, MEMBRANES, SEALED DRAPES WITH ZIPPER ENTRY AND SEALED TO CEILING AND FLOOR WITH STEPOVER THRESHOLDS WHERE REQUIRED.



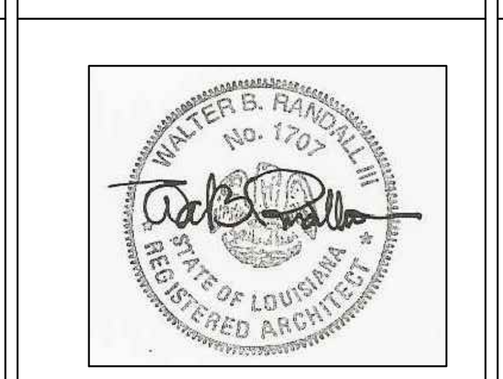
KEY PLAN

FULLY SPRINKLERED

Revisions:	Date

CONSULTANTS:

Professional Seal:



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Drawing Title: SUPPLEMENTAL ICRA FLOOR PLAN , NOTES	Project Title: SPD CART WASH AND AIR BALANCING - BUILDING 7	Project Number: 502-14-118	Office of Facilities Management
		Building Number: 7	
Approved: Project Director	Location: VAMC; ALEXANDRIA, LA.	Drawing Number: A101-ICRA	
	Date: June 12, 2015 MAY 25, 2016 SUPPL. / Checked: WBR / Drawn: TPB	Dwg. 1.1 of 11	Department of Veterans Affairs